IN THE CLAIMS:

Please amend claims 1 and 7 as follows:

- 1. (Currently Amended) An apparatus for synchronizing uplink and downlink transmissions in a terminal of a mobile communication system, the apparatus comprising:
 - a receiving unit for receiving and converting an RF signal;
- a processing unit for-recognizing a construction of uplink time slots and downlink time slots from the converted RF signal;
- a detecting unit for-detecting a <u>current</u> switching point from the converted RF signal and determining a new switching point based on the detected <u>current</u> switching point and the recognized construction of uplink time slots and downlink time slots;
 - a transmitting unit for transmitting a data signal; and
- a switching unit for switching between the receiving unit and the transmitting unit according to the <u>new</u> switching point.
- 2. (Original) The apparatus of claim 1, wherein the transmitting unit transmits a data signal with a variable delay based on the switching point.
- 3. (Original) The apparatus of claim 2, wherein the processing unit controls the transmitting unit to delay the transmitted data signal such that a transmission point of the data signal corresponds to a switching point for uplink transmission.
- 4. (Original) The apparatus of claim 2, wherein the transmitting unit selects a data signal to be delayed and adjusts a delay time of the signal.
- 5. (Original) The apparatus of claim 1, wherein the switching unit performs switching at a variable time interval according to the switching point.

- 6. (Original) The apparatus of claim 1, wherein the detecting unit controls the switching unit to switch between the receiving unit and the transmitting unit.
- 7. (Currently Amended) The apparatus of claim 1, wherein the detecting unit determines the <u>new</u> switching point based on an actual signal processing time of the transmitting unit.
- 8. (Original) The apparatus of claim 1, wherein the detecting unit is hardware-based.
- 9. (Original) The apparatus of claim 1, wherein the detecting unit is a software-based.
- 10. (Original) The apparatus of claim 1, wherein the mobile communication system is TDD-based.
- 11. (Original) An apparatus for synchronizing uplink and downlink transmissions in a terminal of a mobile communication system, the apparatus comprising:

a receiver adapted to convert a received RF downlink signal to a digital signal; a modem adapted to examine the digital signal to recognize a construction of uplink time slots and downlink time slots and to generate time slot construction information;

a time slot detector adapted to examine the digital signal to detect a first switching point between uplink time slots and downlink time slots and to determine a second switching point based on the detected first switching point and time slot construction information;

an RF transmitter adapted to transmit an uplink data signal; and a TDD switch adapted to switch between the receiver and transmitter according to the second switching point.

- 12. (Original) The apparatus of claim 11, wherein the transmitter further comprises a variable delay unit adapted to delay the transmitted data signal such that a transmission point of the data signal corresponds to a switching point for uplink transmission.
- 13. (Original) The apparatus of claim 12, wherein the modem is adapted to control the variable delay unit to delay the transmitted data signal.
- 14. (Original) The apparatus of claim 12, wherein the variable delay unit is adapted to select a data signal to be delayed and to adjust a delay time of the signal.
- 15. (Original) The apparatus of claim 11, wherein the TDD switch is adapted to switch at a variable time interval according to the second switching point.
- 16. (Original) The apparatus of claim 11, wherein the time slot detector controls the TDD switch to switch between the receiving unit and the transmitting unit.
- 17. (Original) The apparatus of claim 11, wherein the time slot detector determines the second switching point based on an actual signal processing time of the transmitter.
- 18. (Original) The apparatus of claim 11, wherein the modem is a hardware modem.
- 19. (Original) The apparatus of claim 11, wherein the modem is a software modem.
- 20. (Original) The apparatus of claim 11, wherein the mobile communication system is TDD-based.

21. (Original) A method for synchronizing uplink and downlink transmissions in a terminal of a mobile communication system, the method comprising the steps of:

examining a received signal to recognize a construction of uplink time slots and downlink time slots and generating time slot construction information;

examining the received signal to detect a first switching point between downlink time slots and uplink time slots;

determining a second switching point based on the detected first switching point and time slot construction information; and

switching between a receiver and a transmitter according to the second switching point.

- 22. (Original) The method of claim 21 further comprising the step of: delaying a transmitted data signal such that a transmission point of the data signal corresponds to a switching point for uplink transmission.
- 23. (Original) The method of claim 22, wherein the step of delaying the transmitted data signal further comprises selecting a data signal to be delayed and adjusting a delay time of the signal.
- 24. (Original) The method of claim 21, wherein the step of examining a received signal to recognize a construction of uplink time slots and downlink time slots is performed by a software modem.
- 25. (Original) The method of claim 21, wherein the step of switching between a receiver and transmitter further comprises switching at a variable time interval according to the second switching point.

- 26. (Original) The method of claim 21, wherein the step of determining a second switching point further comprises considering an actual signal processing time of the transmitter.
- 27. (Original) The method of claim 21, wherein the step of examining a received signal to recognize a construction of uplink time slots and downlink time slots comprises counting the number of uplink and downlink time slots in the overall time slots of an uplink/downlink channel.